Asphalting to Sainagara phase-I and surrounding ares in ward no-03 Yelahanka satellite Town sub Division

Second and Final Bill

PMC

BOOK NO-02

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

Date: 23/12/2021

To,

ASSISTANT EXECUTIVE ENGINEER
YELAHANKA SATELLITE TOWN SUB DIVISION,
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"ASPHALTING TO SAINAGARA PHASE-I AND SURROUNDING ARES IN WARD NO-03 YELAHANKA SATELLITE TOWN SUB DIVISION"**

Ref: 1. Work Order No: BBMP/EE/YNK.D/W.O/199/2019-20
2. Job code: 003-20-000082

We are here with forwarding to M/s. Technical Manager (West), KRIDL, Bangalore, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam Circle Bangalore-560010. Second & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 42,05,397.88/- (Rs. Forty Two Lakhs Five Thousand Three Hundred Ninety Seven and Eighty Eight Paisa Only). First and Part bill for Rs. 1,53,88,481.12/- were previously submitted & the total bill amount submitted till date being Rs. 1,95,93,878.68/-/-(Rs. One Crore Ninety Five Lakhs Ninety Three Thousand Eight Hundred Seventy Eight and Sixty Eight Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

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Attachments: PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- Asphalting to Sainagara phase-I and surrounding areas in ward no-03 Yelahanka satellite Town sub Division

Name of Client : EXECUTIVE ENGINEER, YELAHANKA DIVISION,BBMP, BANGALORE

Contractor/ Agency: M/s. Technical Manager (West), KRIDL, Bangaluru, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam Circle Bangalore-560010

Total Cost : 42,05,397.88

Date Of Inspection : 23-12-21

Status Of Bill : Second & Final Bill

In the Presence of : a) Assistant Engineer, Ward No -03 Yelahanka Satellite Town Sub division,
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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RUDRAPRASAD CONSULTANTS BANGALORE

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16	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specificati	Work done upto the Billed Quantity and the Quality is satisfactory
17	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH / Chapter 5 complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
18	Providing and laying bituminous concrete using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as perSpecification No. 507 MORTH V using 40-60 TPH capacity H.M.P with mechanical Paver Gr-II (30-45 mm) with 5.4% VG-30 Bitumen complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Conrete Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 The finished surface to be level, uniform and free from streaks and holes complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 07-01-2022

ASSISTANT EXECUTIVE ENGINEER
YELAHANKA SATELLITE TOWN SUB DIVISION,
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"ASPHATING TO SAINAGARA PHASE-II AND BESTCOUNTY-III AND SURROUNDING AREAS IN WARD NO -03 YELAHANKA SATELLITE TOWN SUB DIVISION"**

Ref: 1. Work Order No: BBMP/EE/YNK.D/W.O/182/2019-20
2. Job code: 003-20-000084

We are here with forwarding to M/s. Technical Manager (West), KRIDL, Bangaluru, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam Circle Bangalore-560010. Third & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 57,33,862.83/- (Rs. Fifty Seven Lakhs Thirty Three Thousand Eight Hundred Sixty Two and Eighty Three Only). First and Part bill for Rs. 81,04,742.24/- were previously submitted ,Second and Part bill for Rs. 57,55,313.00/- were previously submitted & the total bill amount submitted till date being Rs. 1,95,93,914.28/-(Rs. One Crore Ninety Five lakhs Ninety Three Thousand Nine Hundred Fourteen and Twenty Eight Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

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RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- Asphating to Sainagara Phase-II and Bestcounty-III and Surrounding Areas in Ward No -03 Yelahanka Satellite Town Sub Division.

Name of Client : EXECUTIVE ENGINEER, YELAHANKA DIVISION,BBMP, BANGALORE

Contractor/ Agency: M/s. Technical Manager (West), KRIDL, Bangaluru, 5th Block, 17th Main Shivakumar Swamy Building, Bhashyam Circle Bangalore-560010

Total Cost : Rs. 57,33,862 83/-

Date Of Inspection : 07-01-22

Status Of Bill : Third & Final Bill

In the Presence of : a) Assistant Engineer, Ward No -03 Yelahanka Satellite Town Sub division,
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
SL No.	**Description of work**	**Comments/Observations**
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
14	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
16	KSRRB 500-2 Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
17	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOMcomplete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
18	KSRRB M500-17 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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19	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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20	KSRRB MS00-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
21	Road markers/ Road stud , . Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering thje lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997.The height, width and length shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree.The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30mm)from the body is to be a minimum value of 500kg. Fixing will be by drilling holes on the road for the shanks to go inside, without ails and using epoxy resin based adhesive as per manufacture's recommendation and complete as per specifications and directions of the Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory

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